

## ABSTRACT

A telemetry system includes a transmitter unit that measures a first value of a parameter, incorporates the first value in a first data packet and transmits the first data packet, and measures a second value of the parameter, incorporates the second value and the first value in a second data packet and transmits the second data packet. A receiver unit periodically receives a signal and generates a sequence of bits therefrom, determines whether the sequence of bits includes a payload that meets a predetermined standard and, if so, recovers a more recent datum from the payload else enters a data recovery mode. In the data recovery mode, the receiver unit receives a transmission signal and generates a second sequence of bits and determines whether the second sequence of bits contains a payload that meets the predetermined standard and, if so, recovers both a more recent datum and a less recent datum from the payload.